

AMENDMENT TO THE CLAIMS

1. (Currently Amended) A Continuous Emission Monitoring System for fossil fuel based generators, the system comprising:

an analyzer adapted to receive a sample flow and provide an output indicative of at least one constituent of the sample flow;

a sample handling system coupleable to an emission source and adapted to extract an emission sample from the sample source and provide the extracted emission sample to the sample analyzer; and

wherein the sample handling system is embodied within a single enclosure disposed externally to the emission source, wherein the single enclosure has two compartments which are maintained at different temperatures with respect to one another.

2. (Cancelled) ~~The system of claim 1 wherein the single enclosure has two compartments which are maintained at different temperatures with respect to one another.~~

3. (Currently Amended) The system of claim 2₁, wherein the first compartment includes a sample probe and valve, and wherein the first compartment is maintained at an elevated temperature, and wherein the second compartment includes a thermoelectric cooler.

4. (Original) The system of claim 3, wherein non-heated tubing connects the valve to the thermoelectric cooler.

5. (Original) The system of claim 1 wherein polytetrafluoroethylene tubing conveys a sample from a sample probe to the analyzer.